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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,767	05/27/2005		Masakazu Baba	Q88071 4363	
23373	23373 7590 06/14/2006			EXAMINER	
	E MION, PLLC		RINEHART, KENNETH		
2100 PENN SUITE 800	SYLVANIA AV	ENUE, N.W.	ART UNIT	PAPER NUMBER	
WASHING	TON, DC 2003	37	3749		
				DATE MAILED: 06/14/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		Sp				
	Application No.	Applicant(s)				
	10/536,767	BABA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kenneth B. Rinehart	3749				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the d	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING E - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tirwill apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 27 M	<i>May 2005</i> .					
· <u> </u>	s action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4) □ Claim(s) 1-11 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 1-11 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.					
Application Papers						
9) The specification is objected to by the Examina	er.					
10)⊠ The drawing(s) filed on 27 May 2005 is/are: a)⊠ accepted or b)□ objected to t	by the Examiner.				
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	• •				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				

1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5/27/05, 10/31/05.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date
5) Notice of Informal Patent Application (PTO-152)
6) Other:

Attachment(s)

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1-5, 8 are rejected under 35 U.S.C. 102(a) as being anticipated by Sano et al in view of Pare (5732476). Sano et al shows a channel for a sample flowing in said channel, a main channel for a sample flowing in said main channel (Area where strip and space labels found, fig. 1); wherein said sample drying area comprises a fine channel narrower than said channel, a plurality of side channels branched from said main channel; and (Space, fig. 1), a sample ... area communicating with said side channels, wherein said sample drying area has a fine channel narrower than said side channels (gap, fig. 1), wherein said sample contains multiple components and said main channel comprises a separating portion to separate said components (small molecule, large molecule, fig. 1), said sample ... area comprises a plurality of protrusions separated each other (fig. 1). Sano et al discloses applicant's invention substantially as claimed with the exception of and a sample drying area having an opening communicating with said channel, drying, wherein said sample drying area has a lid comprising a fine channel communicating with said outside of said sample drying device, wherein said sample drying device comprises a temperature controller for controlling a temperature of said sample drying area. Pare teaches and a sample drying area having an opening communicating with said channel, drying, wherein said sample drying area has a lid comprising a fine channel communicating with

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said outside of said sample drying device, wherein said sample drying device comprises a temperature controller for controlling a temperature of said sample drying area (col. 12, lines 11-15, fig. 3) for the purpose of removing liquid. It would have been obvious to one of ordinary skill in the art to modify Sano et al by including and a sample drying area having an opening communicating with said channel, wherein said sample drying area has a lid comprising a fine channel communicating with said outside of said sample drying device as taught by Pare for the purpose of removing liquid in order to perform analysis on the substance. Sano et al in view of Pare discloses the claimed invention except for wherein said drying area has a shape so that the top of said sample drying area projects from said opening. It would have been an obvious matter of design choice to extend the projections, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art.

Claims 6, 7, 10, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sano et al in view of Pare (5732476) as applied to claims 1 and 3 above, and further in view of Apffel (5705813). Sano discloses separating unit (fig. 1). Sano et al in view of Pare (5732476) discloses applicant's invention substantially as claimed with the exception of wherein said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder, pretreatment unit, drying unit, mass spectrometry. Apffel teaches said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder (col. 6, line 32, col. 5, line 5-15, col. 4, lines 1-5, col. 4, lines 19-24), pretreatment unit (col. 4, line 32), drying unit (col. 4, line 1-3, mass spectrometry (col. 3, lines 50-56) for the purpose of performing mass spectrometry. It would have been obvious to one

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of ordinary skill in the art to modify Sano by including said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder as taught by Apffel for the purpose of performing mass spectrometry to facilitate the analysis of the sample.

Claim 1-8, 10, 11 are rejected under 35 U.S.C. 102(a) as being anticipated by Sano et al in view of Pare (5732476). Sano et al shows a channel for a sample flowing in said channel, a main channel for a sample flowing in said main channel (Area where strip and space labels found, fig. 1); wherein said sample drying area comprises a fine channel narrower than said channel, a plurality of side channels branched from said main channel; and (Space, fig. 1), a sample ... area communicating with said side channels, wherein said sample drying area has a fine channel narrower than said side channels (gap, fig. 1), wherein said sample contains multiple components and said main channel comprises a separating portion to separate said components (small molecule, large molecule, fig. 1), said sample ... area comprises a plurality of protrusions separated each other (fig. 1), separating unit (fig. 1). Sano et al discloses applicant's invention substantially as claimed with the exception of and a sample drying area having an opening communicating with said channel, drying, wherein said sample drying area has a lid comprising a fine channel communicating with said outside of said sample drying device, wherein said sample drying device comprises a temperature controller for controlling a temperature of said sample drying area, wherein said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder, pretreatment unit, drying unit, mass spectrometry. Apffel teaches and a sample drying area having an opening communicating with said channel, wherein said sample drying area has a lid

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comprising a fine channel communicating with said outside of said sample drying device (30, 24,26,28, fig. 1), drying (col. 4, lines 1-3), said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder (col. 6, line 32, col. 5, line 5-15, col. 4, lines 1-5, col. 4, lines 19-24), pretreatment unit (col. 4, line 32), drying unit (col. 4, line 1-3, mass spectrometry (col. 3, lines 50-56) for the purpose of performing mass spectrometry. It would have been obvious to one of ordinary skill in the art to modify Sano by including and a sample drying area having an opening communicating with said channel, drying, wherein said sample drying area has a lid comprising a fine channel communicating with said outside of said sample drying device, wherein said sample drying device comprises a temperature controller for controlling a temperature of said sample drying area, wherein said sample drying area is filled with multiple particles, wherein said sample drying area is filled with a porous material, sample holder, pretreatment unit, drying unit, mass spectrometry as taught by Apffel for the purpose of performing mass spectrometry to facilitate the analysis of the sample. Sano et al in view of Apffel discloses the claimed invention except for wherein said drying area has a shape so that the top of said sample drying area projects from said opening. It would have been an obvious matter of design choice to extend the projections, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth B. Rinehart whose telephone number is 571-272-4881. The examiner can normally be reached on 7:20 -4:20.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ehud Gartenberg can be reached on 571-272-4828. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

kbr

KENNETH RINEHART PRIMARY EXAMINER